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**From:** Lindstrom, Andrew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=04BF7CF26AA44CE29763FBC1C1B2338E-LINDSTROM, ANDREW]  
**Sent:** 8/22/2017 11:38:28 AM  
**To:** Bergman, Erica [Erica.Bergman@dep.nj.gov]  
**Subject:** RE: I'm working on the QAPP  
**Attachments:** Draft NJ PFAS Sample Study Plan Jan 17 2017.docx

Erica,

Thank you for your note summarizing the progress on the SOPs. I agree that we should do everything we can to make sure that our procedures are current and defensible.

For the QA plan, our folks have made it clear that we can use our now standard format and just drop in references to the appropriate SOPs and planning documents (as long as all parties have the final versions) instead of creating a super long master QA plan with multiple appendices. This will help a lot.

So please send updated version of the field SOPs when they are available. Also, it would be very helpful if you please update the original draft study plan (attached above) to reflect any changes to sample locations in the text as well as the tables and maps.

I think targeting early October for the field work will be ideal. Our QA approval process has become more streamlined as a result of our recent work with North Carolina and New Hampshire so I really think this is doable – if congress passes a budget for the new fiscal year without complications.

Thank you very much,

Andy

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**From:** Bergman, Erica [mailto:Erica.Bergman@dep.nj.gov]  
**Sent:** Monday, August 21, 2017 4:19 PM  
**To:** Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>  
**Subject:** RE: I'm working on the QAPP

Andy,

Dave Barskey said he would have final versions this week for the two field sampling SOPs - the Soil and Non-tidal Surface Water sampling SOP (DEP contractor) and the Tidal surface water/sediment sampling SOP (DRBC). The July 27 version that you have could be considered 99% final, just a few text changes needed. Regarding the field sampling precautions I think DEP is concerned about the litigious nature of Solvay, I think we will need to be overcautious when it comes to field QC.

Regarding the groundwater SOP, this one was developed last year, however I noticed that it still has Draft stamped on it. I will ask Dave to finalize this one too and I will send all three over to you asap.

Also, there are some minor changes to sample locations as included in tables/maps in the Study Plan. DEP has done some field reconnaissance and some of the GIS locations and place names have been updated/changed based on field conditions/access. This is now being updated and will be circulated to all when complete.

Sandra and I were discussing the need to get the field sampling on the schedule before it gets to be too close to winter. What do you think about us trying to set up a sampling window for late September through October even if you don't have final approval of the QAPP? DEP can hold onto the samples (and refrigerate the soils/sediments) until we get the go ahead to ship to you?

Thanks, Erica

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**From:** Lindstrom, Andrew [<mailto:Lindstrom.Andrew@epa.gov>]

**Sent:** Monday, August 21, 2017 3:29 PM

**To:** Bergman, Erica <[Erica.Bergman@dep.nj.gov](mailto:Erica.Bergman@dep.nj.gov)>

**Subject:** I'm working on the QAPP

Erica,

I hope things are going well for you.

I'm working on the QAPP, and I see that I have a draft document from you all entitled:

Detection, Evaluation, and Assignment of Multiple Poly- and Perfluoroalkyl Compounds in Environmental Media from an Industrialized Area of New Jersey:

Work Plan for Soil and Non-Tidal Surface Water Sampling

Dated July 27, 2017 (attached).

Is this the final form of this document?

Should I be using this as the SOP for field collection of the soil samples (shallow surface and cores) and the nontidal surface water?

It looks like you've taken John Washington's concerns into account. The description of the surface water sample collection and processing is good, but I think the special precautions for PPE and equipment (aside for avoiding Teflon) are excessive. I don't like to impose unnecessary burdens on field personnel, and I don't think there are any data showing that clothing, gloves, Sharpies, food packaging, etc, will cause contamination of samples. I wouldn't require these restrictions, but I realize that you have your own procedures and history to accommodate.

So if this is final, I guess I'm still needing the tidal surface water and ground water sampling SOP from NJ DEP - unless I missed it someplace. And is there an additional SOP document covering the sediments?

Thank you,

Andy